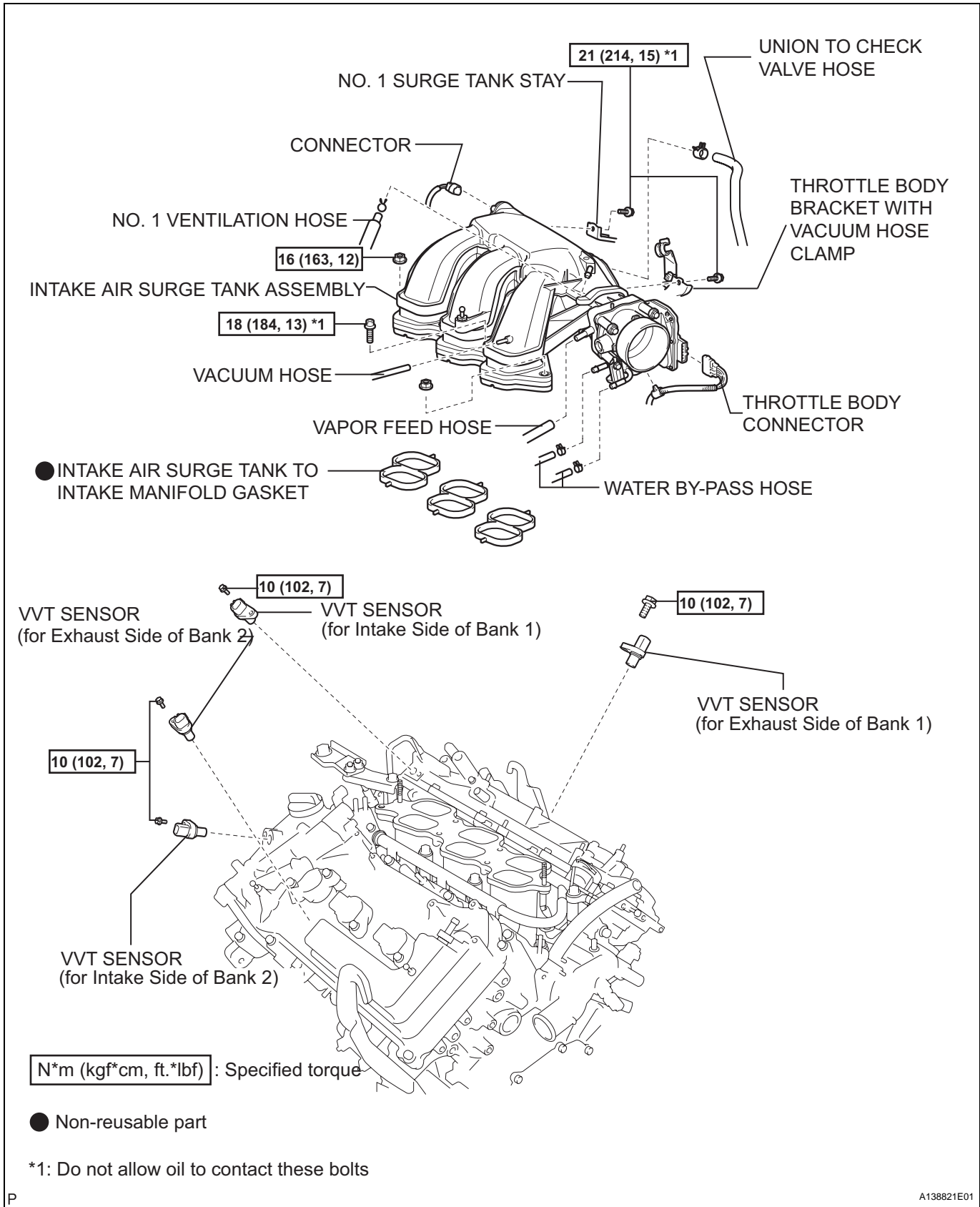


# VVT SENSOR

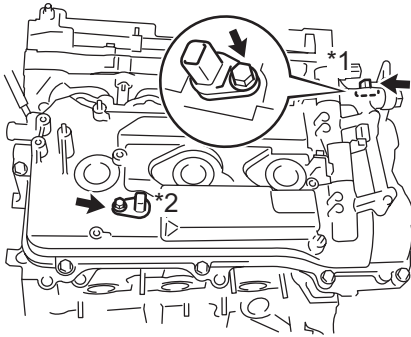
## COMPONENTS



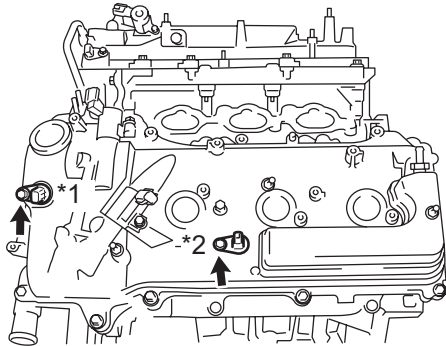
## REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**  
**CAUTION:**  
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. **REMOVE ENGINE ASSEMBLY**  
(a) Remove the engine (see page [EM-21](#)).
3. **REMOVE INTAKE AIR SURGE TANK ASSEMBLY**  
(See page [EM-27](#))
4. **REMOVE VVT SENSOR**  
(a) Disconnect the 4 sensor connectors.  
(b) Remove the 4 bolts and 4 sensors.

for Bank 1



for Bank 2

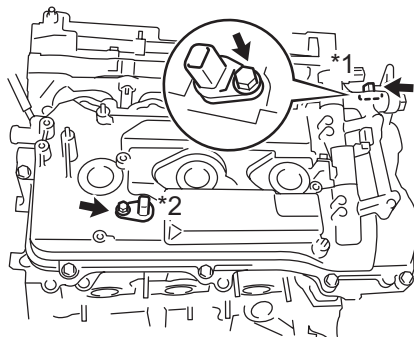


\*1: for Intake Side \*2: for Exhaust Side

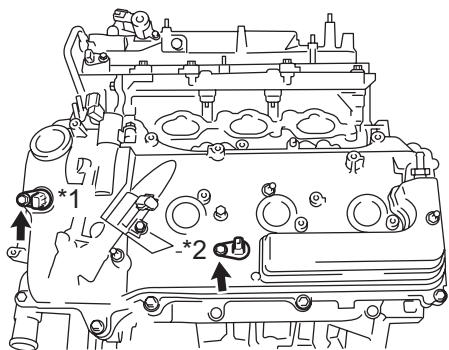


A139005E01

for Bank 1



for Bank 2



\*1: for Intake Side \*2: for Exhaust Side

A139005E01

## INSTALLATION

### 1. INSTALL VVT SENSOR

- (a) Install the 4 sensors with the 4 bolts.  
**Torque: 10 N\*m (102 kgf\*cm, 7 ft.\*lbf)**
- (b) Connect the 4 sensor connectors.

### 2. INSTALL INTAKE AIR SURGE TANK ASSEMBLY (See page [EM-34](#))

### 3. INSTALL ENGINE ASSEMBLY

- (a) Install the engine (see page [EM-31](#)).

### 4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL